

MICOSAT F[®]

Specific action product
Positive effects on the soil
Inoculum of mychorrizzal fungi

No. Protocol 37968 - Decree 3 November 204 published in the Italian Official Gazette no. 295 of 17 December 2004
Registration M.I.P.A.F. (Law 748)
Legislative Decree 29/04/2006, no. 217

Allowed in Organic Farming

M.I.P.A.A.F. - DG COSVIR

N. 0010056 - N. 0010057 - N. 0010058 - N. 0010061 - N. 0010063 - N. 0010065 - N. 0010066 - del 04/05/2010

ROOT GROWTH



Stimulates root and vegetative growth

PRODUCTION
of ENZYMES



Produces enzymes and metabolites
growth promoters

COMPETIZIONE
NUTRITIVA



Competes for nutritional sources
removes nutrition from pathogens

NUTRITIONAL
COMPETITION



Competes for space
grows faster than pathogens

SYSTEMIC
RESISTANCE



Induces systemic resistance

In the soil: produces molecules which inhibit pathogens
neutralises enzymes produced by the pathogen
forms physical protective barriers

In the plant: produces phytoalexins
produces natural defence systems
produces polyphenols

ENVIRONMENTAL
BENEFITS



Reduces nitrates in the soil:
environmental effect

INCREASED
HEALTHINESS



Reduces nitrates in the plant:
increases healthiness

PURITY
of FOODS



Reduces residues of phytosanitary products
in foodstuffs

BIOREMEDIATION



Contributes to the bioremediation
of soils and phytodepuration



C.C.S.

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Micosat F is formed from different microbiological components of the root zone: *Symbiont Fungus* of the kind *Glomus* that forms with the host plants roots the micorrizes, biological structures that increase the assimilative ability and defence of the plant.

Bacterias of the kind *Pseudomonas* and *Bacillus* that have the function to improve the metabolism of the plant and to produce phytoestimolant substances.

Attinomycetes of the kind *Streptomyces* that has a biostimolante function of induction of resistance.

Saprophytic Fungus of the kind *Trichoderma* that has the assignment to demolish the present lignin in the ground and to make it available to the plant; they have besides a great ability to make repressive the ground with a true action of micoparasitism.

The applications of **Micosat F** in different formulation (microgranular and wettable powder) have been conducted on:

Citrus fruits, Fruit trees (Apple tree, Pear tree, Plum tree, Apricot tree, Peach tree, Cherry tree), Kiwi, Industrial crops (Tobacco and tomato), Cereals (Maize), Floral (Rose out ground, bulbous), Strawberry, IV gamma, Olive tree, Vegetables (Watermelon, Egg plant, Melon, Potato, Pepper, table Tomato, leaf Vegetables), Stem vegetables (Asparagus, Artichoke, Fennel, Celery), Vine, Grassland, Football ground, Golf course.

The **MICOSAT F** also finds employment in the sector of the bioremediation.

The **MICOSAT F** is object of international brevet because it is a biological filter plants roots and it improves the organoleptic characteristics and the salubrity of the agricultural products (increase of the antioxidants, reduction of the nitrates, etc.).



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